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DEPARTMENT OF HEALTH AND ENVIRONMENTAL SCIENCES



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HELENA, MONTANA 59620

MAR 14 1984

March 8, 1984

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HELENA, MONTANA 59620

Re: Preliminary Environmental Review
Powell Co. Container System

Board of County Commissioners, Powell County Courthouse, Deer Lodge
Rick Duncan, R.S., County Sanitarian 409 Missouri, Deer Lodge
Gary Moorehouse, Co. Planning Board, Powell Co. Courthouse, Deer Lodge
Dave Cole, Dept. of Commerce, Cogswell Building, Helena
Jack Ricker, Chief, Right of Way Bureau, Dept. of Highways, Helena
William Murphy, 471 Warm Springs Creek Road, Garrison
Environmental Quality Council, State Capitol, Room 432, Helena
Tom Ellerhoff, Environmental Sciences Division, DHES, Helena
Harold Chambers, Montana State Library, Capitol Complex, Helena

Ladies and Gentlemen:

Pursuant to the Administrative Rules of Montana, 16.2.604, the following Preliminary Environmental Review has been prepared by the Department of Health and Environmental Sciences concerning the Powell County Container Systems.

The purpose of the Preliminary Environmental Review is to inform all interested governmental agencies, public groups or individuals of the proposed action and to determine whether or not the action may have a significant effect on the human environment. This Preliminary Environmental Review will be circulated for a period of fifteen (15) days at which time a decision will be made as to our future action.

If you care to comment on this proposed action, please do so within the allotted time.

Sincerely,

JOHN C. GEACH
Solid Waste Management Bureau
Environmental Sciences Division

JCG:vc
Encls.

WHITE, 2000

DEPARTMENT OF HEALTH AND ENVIRONMENTAL SCIENCES
Cogswell Building, Helena, Montana 59620
(406) 449-2821

PRELIMINARY ENVIRONMENTAL REVIEW

Division/Bureau Environmental Sciences Division/Solid Waste Management Bureau

Project or Application Powell County Container System License Application

Description of Project Powell County has submitted a solid waste management system

license application for six (6) 40 yard container sites to be located at

Avon, Elliston, Garrison, Gold Creek, Helmville and Ovando, Montana. These

six sites will constitute the present Powell County container system. Refuse

will be deposited in the containers at these sites by the public. At least once

per week these containers will be removed and taken to the licensed Deer Lodge

County landfill east of Deer Lodge for emptying and refuse burial. This PER

is being written in conjunction with the review of this application.

POTENTIAL IMPACT ON PHYSICAL ENVIRONMENT

Major	Moderate	Minor	None	Unknown	Comments on Attached Pages
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1. Terrestrial & aquatic life and habitats
2. Water quality, quantity and distribution
3. Geology & soil quality, stability and moisture
4. Vegetation cover, quantity and quality
5. Aesthetics
6. Air quality
7. Unique, endangered, fragile, or limited environmental resources
8. Demands on environmental resources of land, water, air & energy
9. Historical and archaeological sites

			X		
			X		
			X		
		X			X
		X			X
	X				X
			X		
		X			X
			X		

POTENTIAL IMPACTS ON HUMAN ENVIRONMENT

	Major	Moderate	Minor	None	Unknown	Comments on Attached Pages
1. Social structures and mores				X		
2. Cultural uniqueness and diversity				X		
3. Local and state tax base & tax revenue				X		
4. Agricultural or industrial production			X			X
5. Human health	X					X
6. Quantity and distribution of community and personal income			X			
7. Access to and quality of recreational and wilderness activities			X			
8. Quantity and distribution of employment			X			
9. Distribution and density of population and housing			X			
10. Demands for government services		X				X
11. Industrial & commercial activity			X			
12. Demands for energy		X				X
13. Locally adopted environmental plans & goals			X			
14. Transportation networks & traffic flows			X			X

Other groups or agencies contacted or which may have overlapping jurisdiction Powell County Health Department,

Powell County Planning Office

Individuals or groups contributing to this PER.

Recommendation concerning preparation of EIS No EIS Necessary

PER Prepared by: John C. Geach

JOHN C. GEACH

Date: March 6, 1984

POWELL COUNTY CONTAINER SYSTEM PER

POTENTIAL IMPACTS ON PHYSICAL ENVIRONMENT

4. Vegetative cover, quantity and quality

The container site locations contain native species of grasses and plants. This vegetation will be disturbed during the installation of the container sites. This disturbance should be short term and very little permanent vegetation loss should result.

5. Aesthetics

The aesthetics of the container site locations will be altered by the construction of the site's concrete retaining walls, roads and fences. The potential of litter from these sites will be controlled through the use of litter fencing immediately adjacent to the container and along the site's perimeter.

6. Air quality

The air quality in the areas of the proposed container sites should be greatly improved since the sites will be replacing currently operated open burning dumps. Although there is always a potential of a refuse fire in a container, the chances and impact of such a fire are significantly less than those of an infrequently maintained open burning dump.

8. Demands on environmental resources of land, water, air and energy

The construction of these container sites will permanently remove a total of approximately six to ten acres of land from future agricultural or forestry production.

POTENTIAL IMPACT ON HUMAN ENVIRONMENT

4. Agricultural or industrial production

See #8 above

5. Human health

The implementation of this proposed container program will allow six improperly maintained open burning dumps to be closed. These dumps currently pose serious potential health hazards to the nearby communities. These hazards will be eliminated through the proper storage and disposal of the community's solid waste.

10. Demands for government services

Governmental services will be required on the local and state levels for inspectional and administrative services associated with the issuance of a solid waste management system license to this container system.

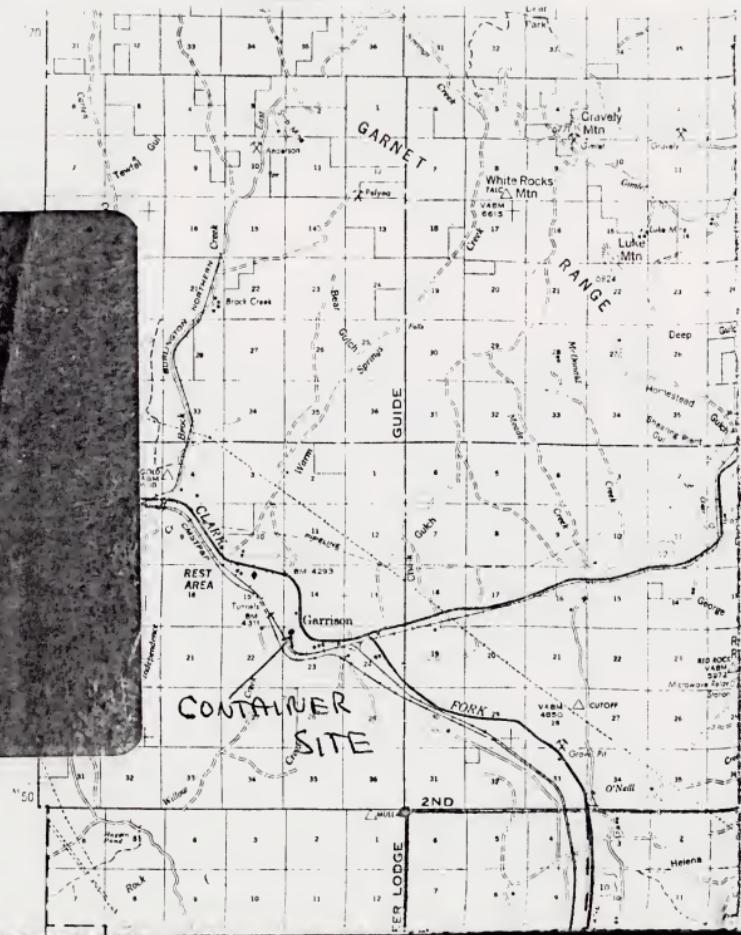
12. Demands for energy

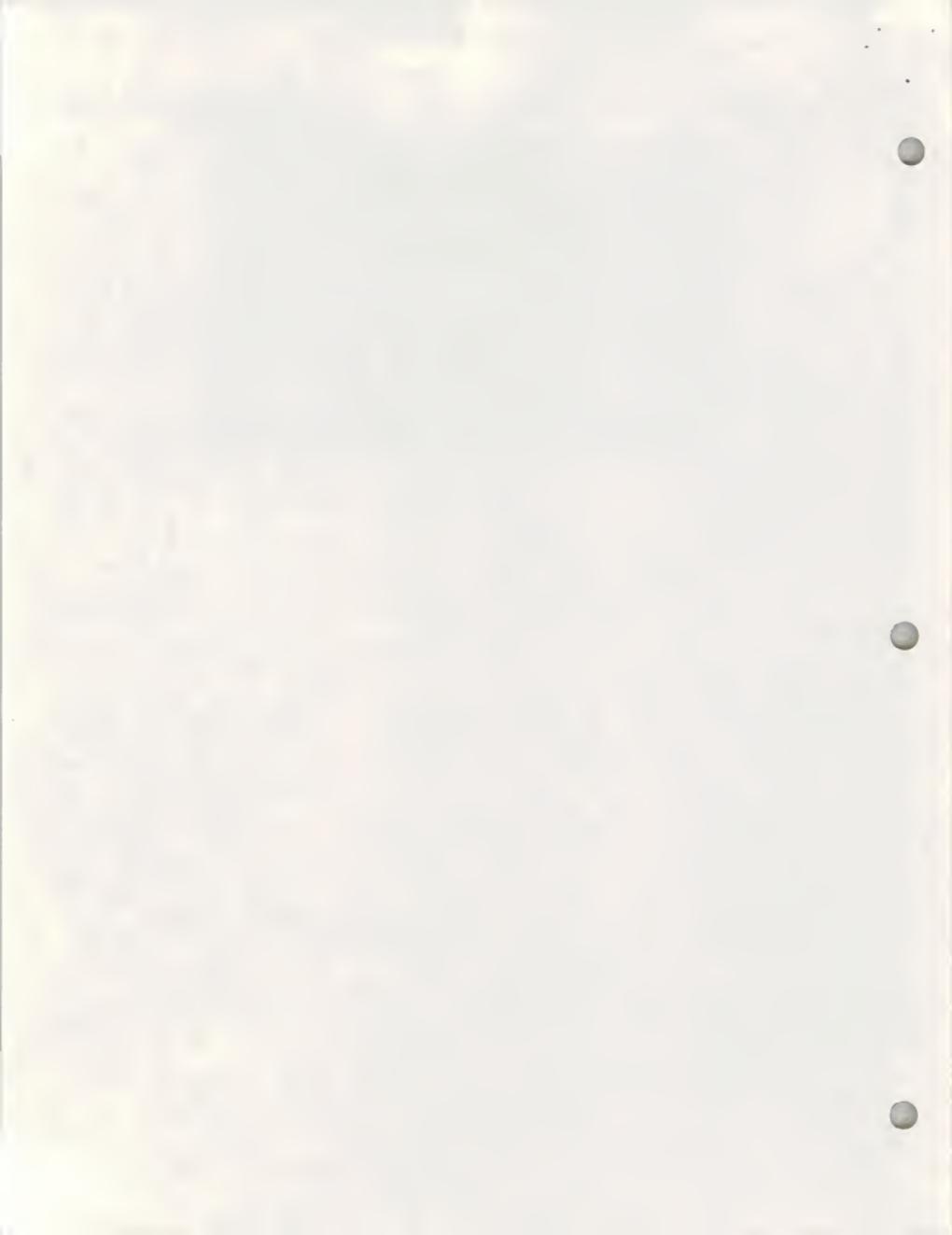
The operation of the container retrieval and transportation vehicle will result in the consumption of diesel fuel and other petroleum products.

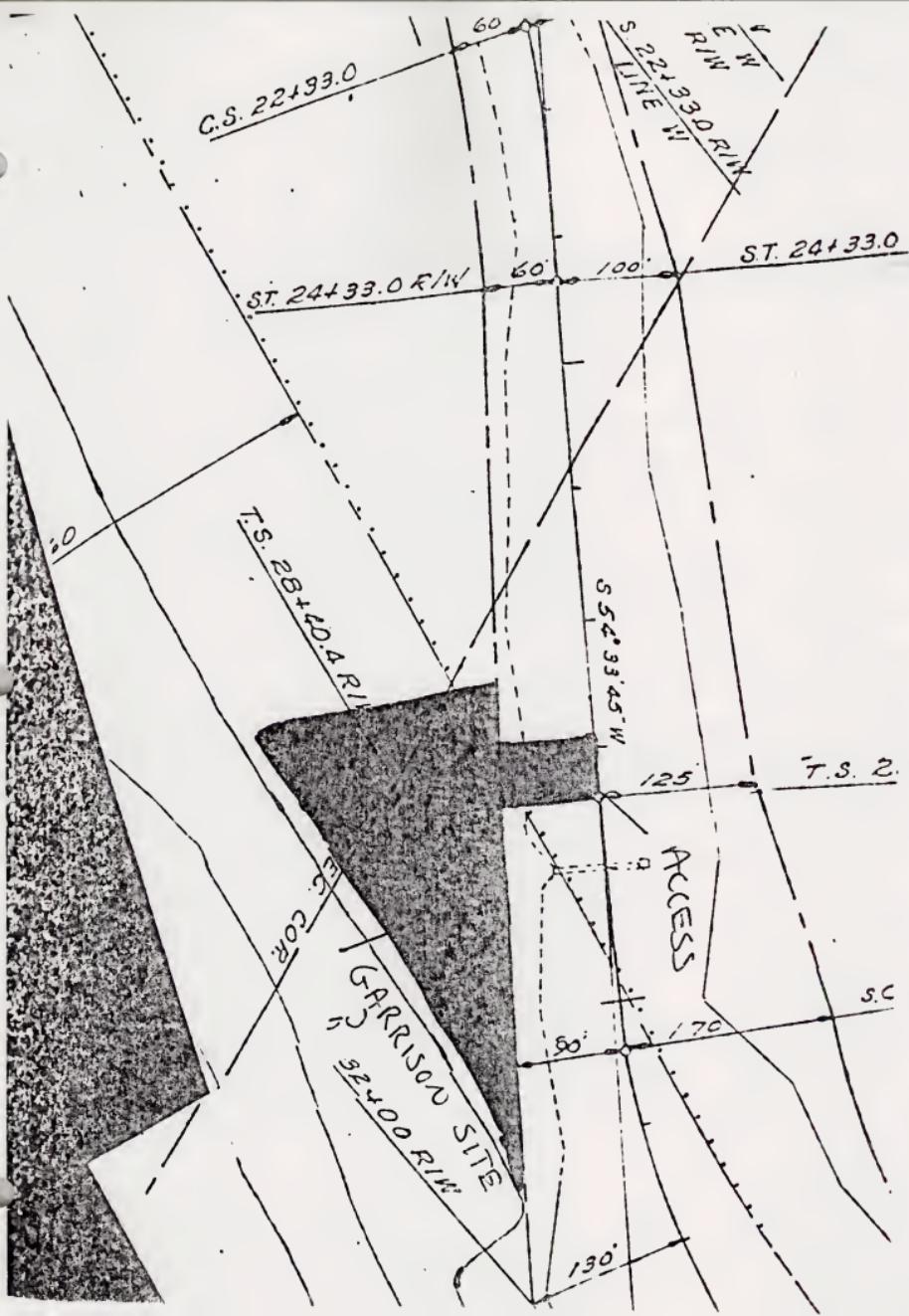
14. Transportation networks and traffic flows

Individual private vehicles and the container retrieval truck will be routinely travelling to the container sites. Since these sites will replace dumps in the immediate areas, no significant increase in traffic flow patterns is expected.



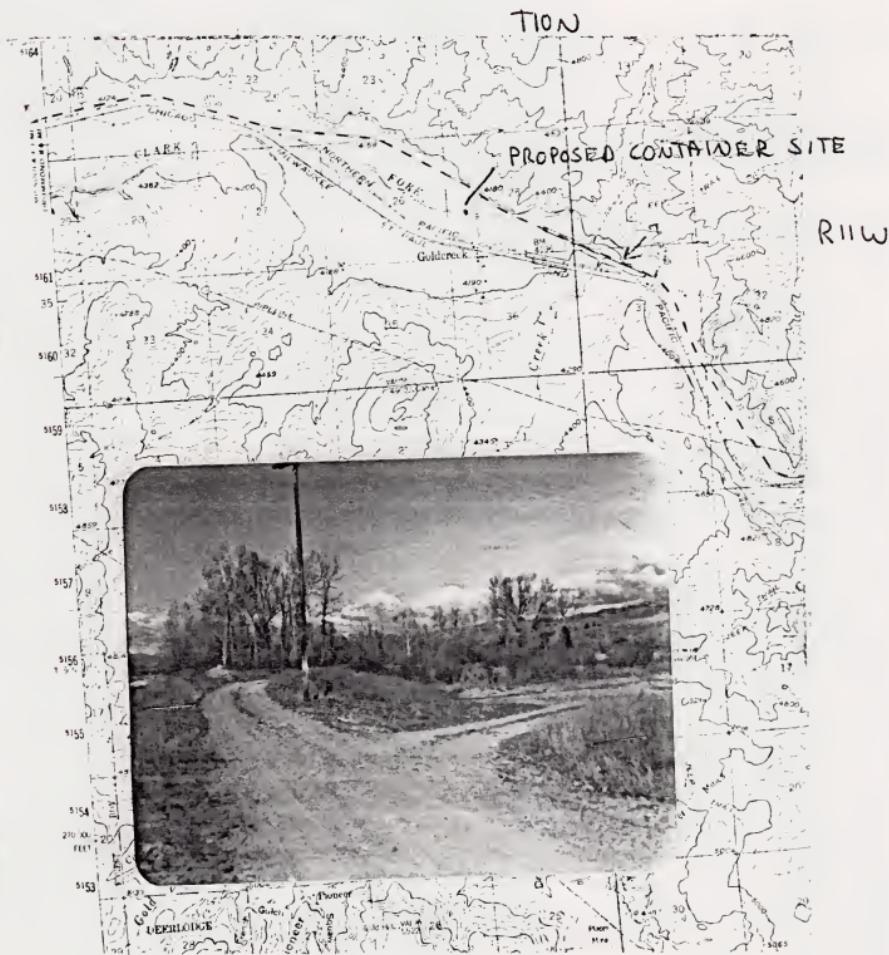








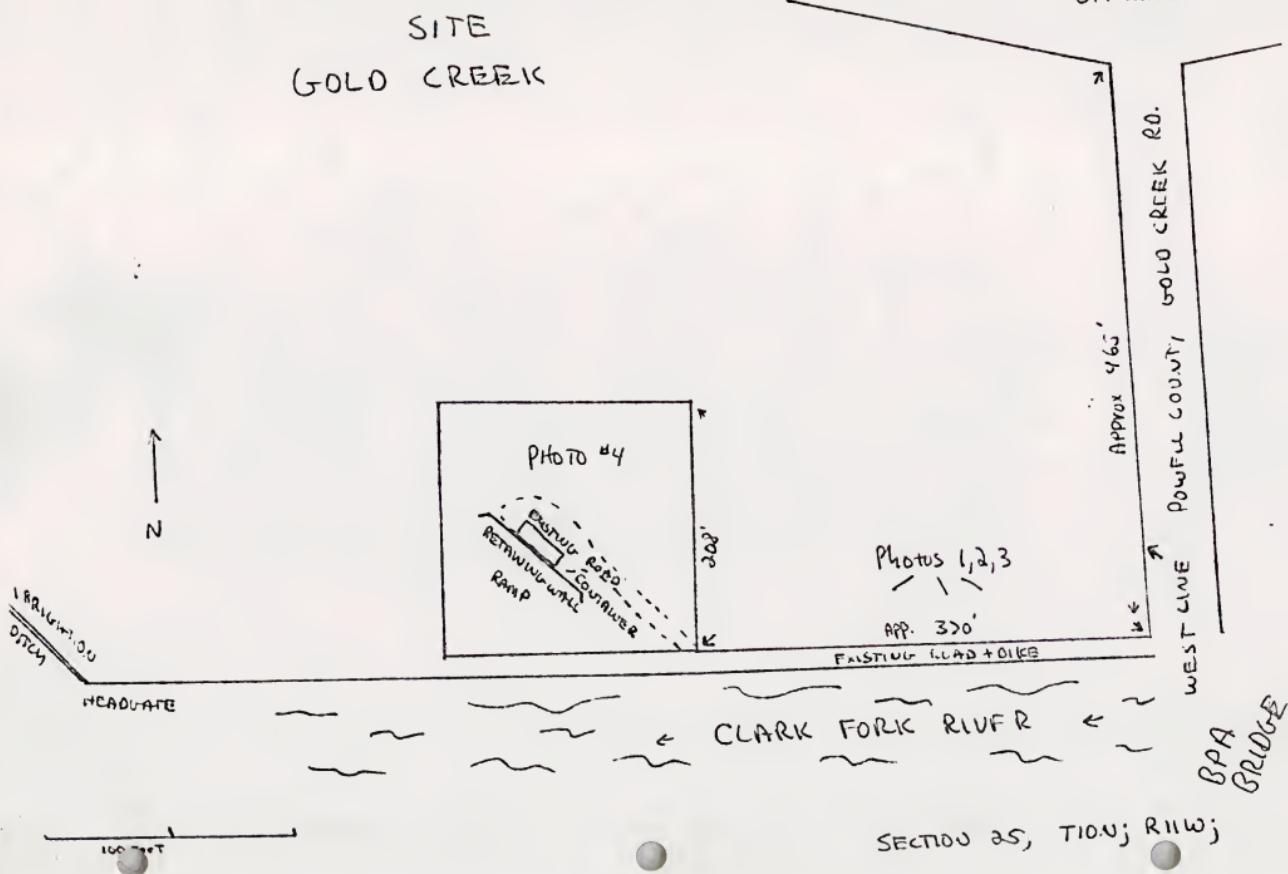
POWELL COUNTY



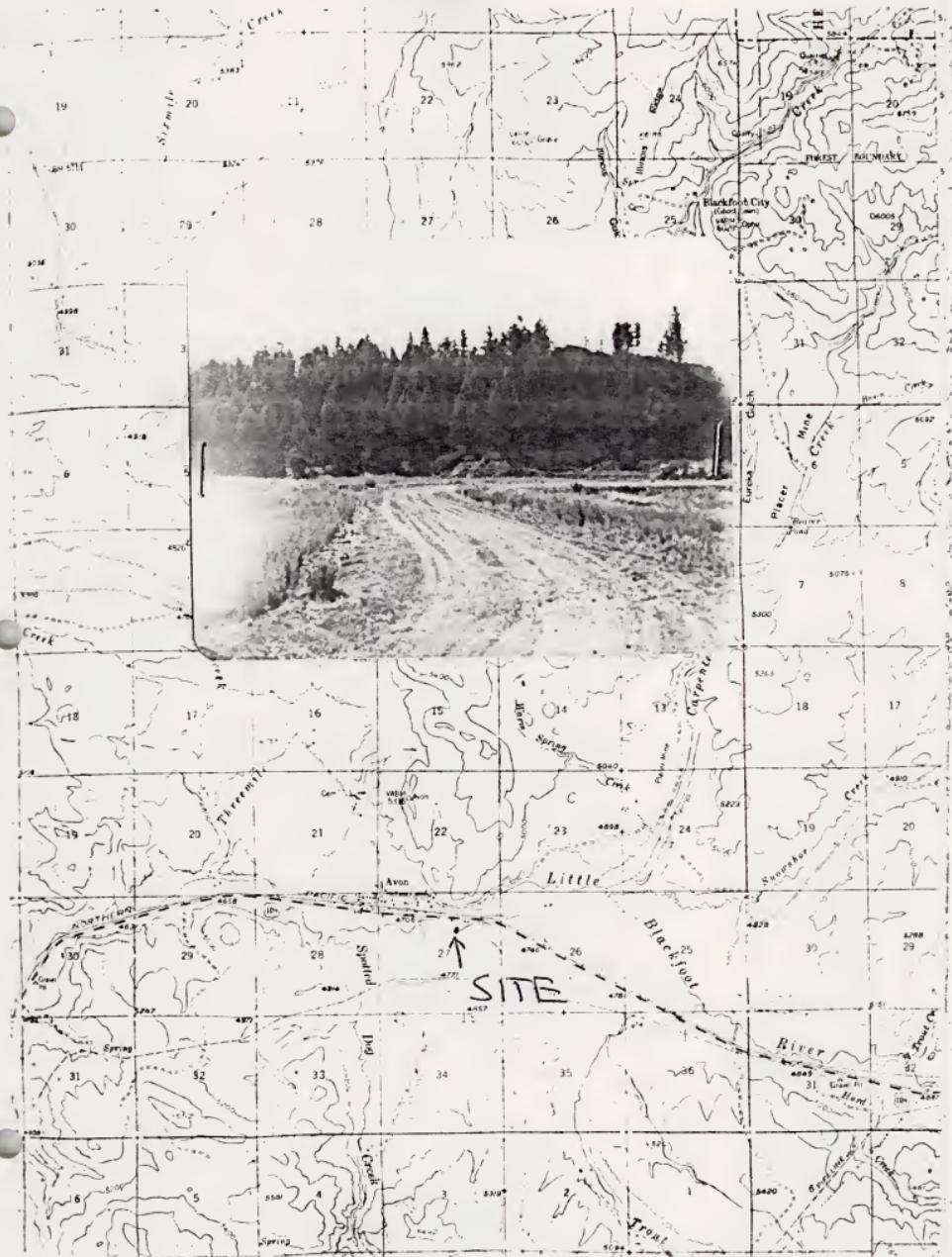


PROPOSED CONTAINER
SITE
GOLD CREEK

I-10 GOLD CREEK
OFF RAMP









BURLINGTON - NORTHERN RAILROAD

AVON

U.S. HIGHWAY - RTE.

N 04° 13' 33" W
60.28

S 0° 15' 56" W
236.00

N 04° 13' 33" W
11.25 - 12.00

SENECAL
8 75 - P 440
N 06° 35' E
206.98

HANSEN
8 68 - P 455
N 06° 35' E
00.00

N 04° 13' 33" W - 416.00

S 10° 23' 15" E
5

S 30° 55' 17" E
158.64

POWELL
3.15A

COUNTY
ACRES ON EAST
SIDE OF
ROAD

RAMP-WALL
ELEV.
N 60° 40' 44" E
333.54

N 06° 35' E
00.00

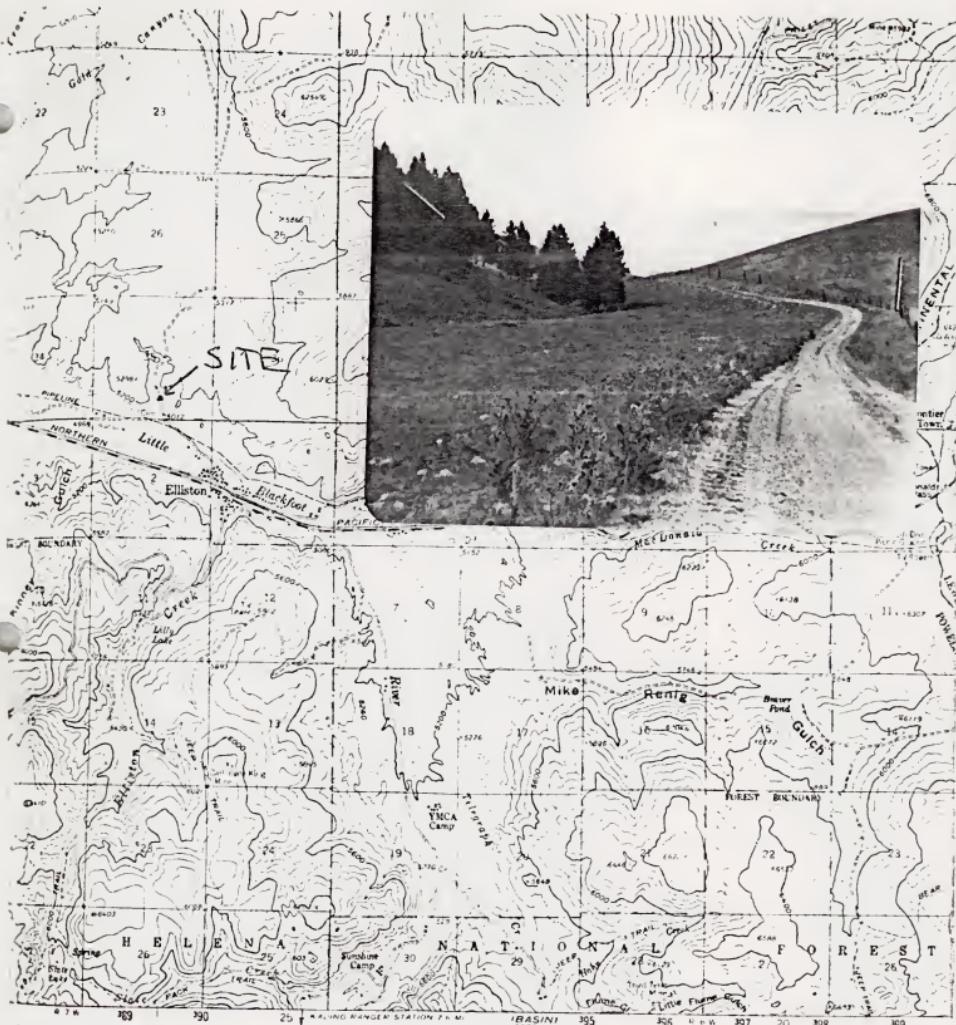
LEGEND

⁸ BEARING - THE RECORD BEARING
WEST ONE-HALF OF THE NORTH LINE
TION 27 BEING EAST - WEST.

SURVEY

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• Ecological Survey

Stammatologic methods at check 1959

• 8:00 a.m.

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UTM GRID AND 1959 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225 OR RESTON, VIRGINIA 22092
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST





R. 12 W. R. 11 W.
PROPOSED SITE - ONE ACRE
SW 1/4, SECTION 3; T14N; R12W

